

# ABSTRACT OF THE DISCLOSURE

A disk cartridge 20 for a larger diameter, a disk cartridge 25 for a medium disk diameter, and a disk cartridge 30 for a smaller diameter contains a magneto-optical disk for a larger diameter, a magneto-optical disk for a medium diameter, and a magneto-optical disk for a smaller diameter having different disk diameters, respectively. Each cartridge: the disk cartridge 20 for a larger diameter and the disk cartridge 25 for a medium disk diameter, is provided with at least one sensor hole 6 to recognize a relation in size of a disk diameter with other disk cartridge having a different disk diameter. This makes it possible to provide a disk cartridge and a disk recording and reproducing apparatus which can realize recording and reproducing with high reliability by a single apparatus with respect to disk cartridges, each of which contains a disk-shaped recording medium having a different diameter.

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